



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Glasswall, LLC  
3550 N.W. 49 Street  
Miami, FL 33142

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "105S" Outswing Aluminum Casement Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. 105S-SM, titled "Series '105S' Outswing Alum. Casement Window (SMI)", sheets 1 through 7 of 7, dated 01/21/13, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 10-0825.11 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*MP*  
2/11/13

NOA No. 12-0821.19  
Expiration Date: April 08, 2014  
Approval Date: February 07, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **105S-SM**, titled "Series '105S' Outswing Alum. Casement Window (SMI)", sheets 1 through 7 of 7, dated 01/21/13, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, P.E.

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Small Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 105 outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6984**, dated 07/03/12, signed and sealed by Marlin D. Brinson, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum projected/casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3957**, dated 11/10/03, signed and sealed by Edmundo J. Largaespada, P.E.  
*(Submitted under previous NOA No.04-0126.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 01/18/13 and 01/28/13, prepared, signed, sealed by Kelvyn Whitfield, P.E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0821.19

Expiration Date: April 08, 2014  
Approval Date: February 07, 2013


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

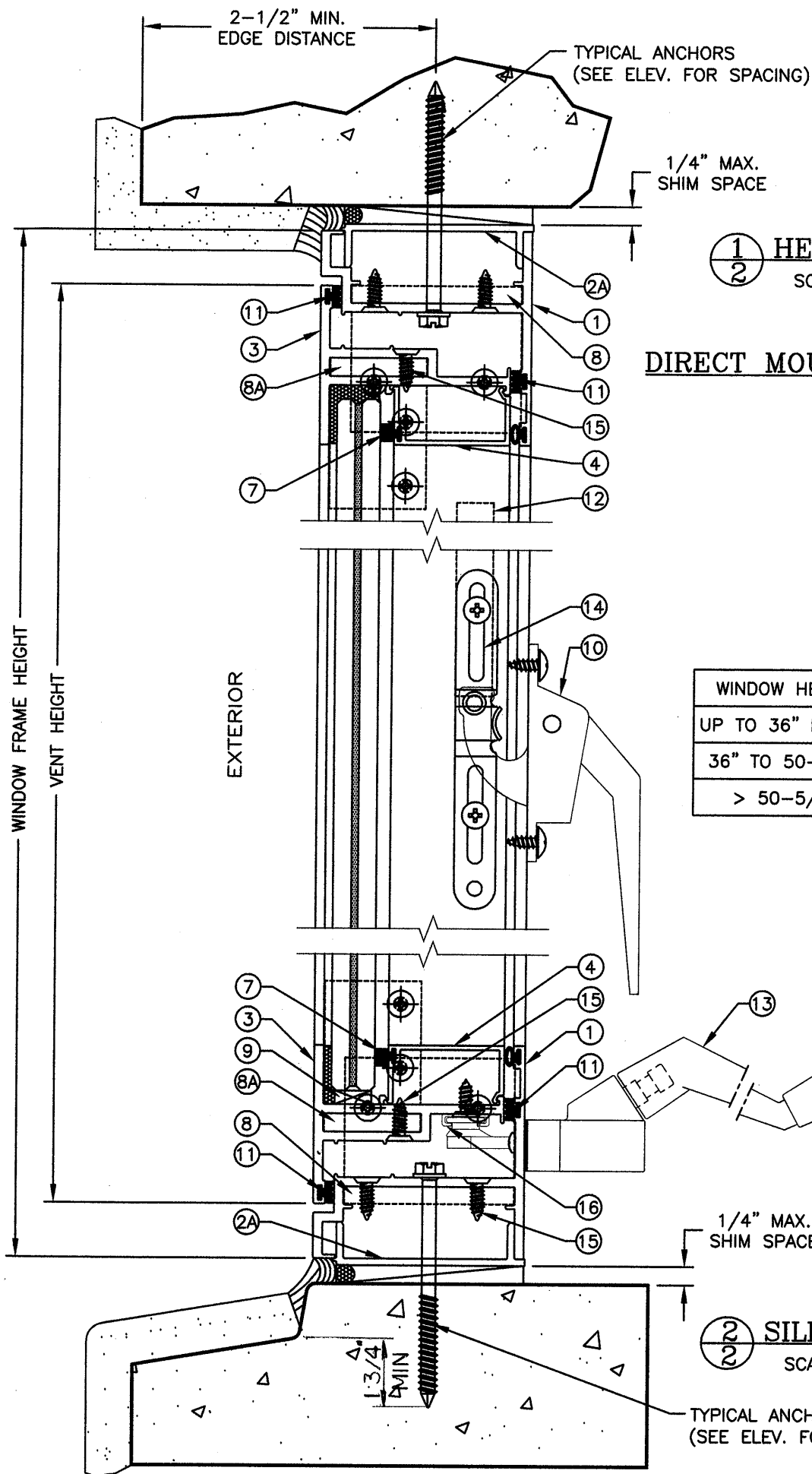
1. Statement letter of conformance, complying with **FBC-2010**, dated January 18, 2013, prepared, signed and sealed by Kelvyn Whitfield, P.E.
2. Statement letter of no financial interest, dated January 18, 2013, prepared, signed and sealed by Kelvyn Whitfield, P.E.
3. Testing program email by Product Control, dated June 26, 2012, issued by Manuel Perez, P.E.
4. Laboratory compliance letter for Test Report No. **FTL-3957**, issued by Fenestration Testing Laboratory, Inc., dated 11/10/03, signed and sealed by Edmundo J. Largaespada, P.E.  
*(Submitted under previous NOA No. 04-0126.01)*

**G. OTHERS**

1. Notice of Acceptance No. **10-0825.11**, issued to Glasswall, LLC for their Series-"105S" Outswing Aluminum Casement Window-S.M.I., approved on 12/30/10 and expiring on 04/08/14.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0821.19  
Expiration Date: April 08, 2014  
Approval Date: February 07, 2013

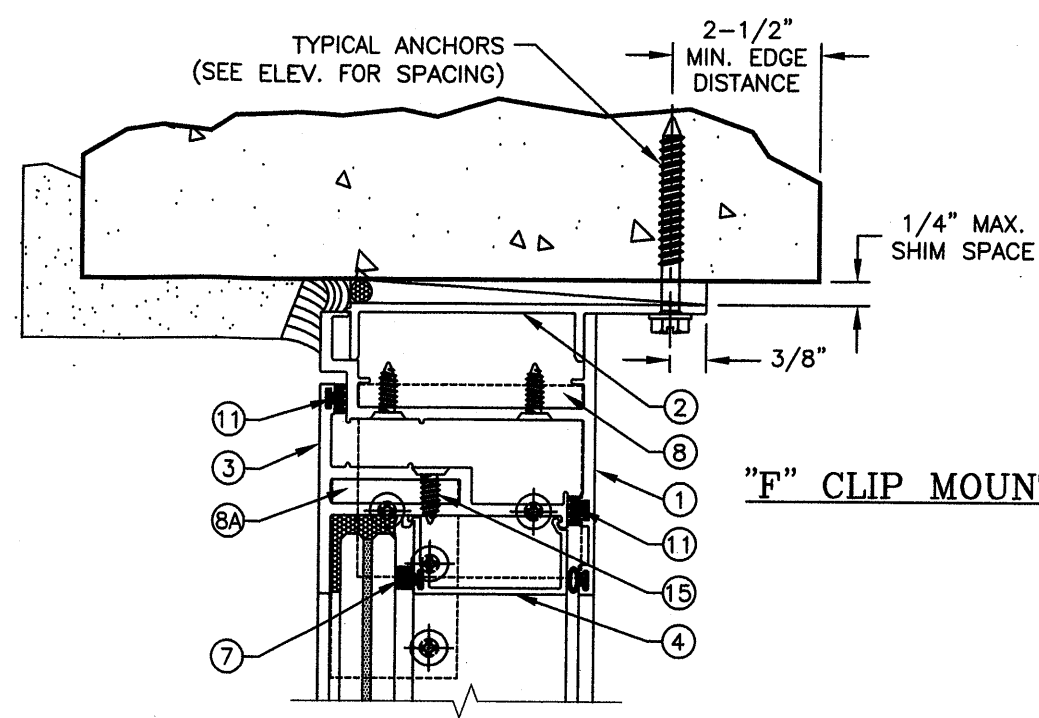




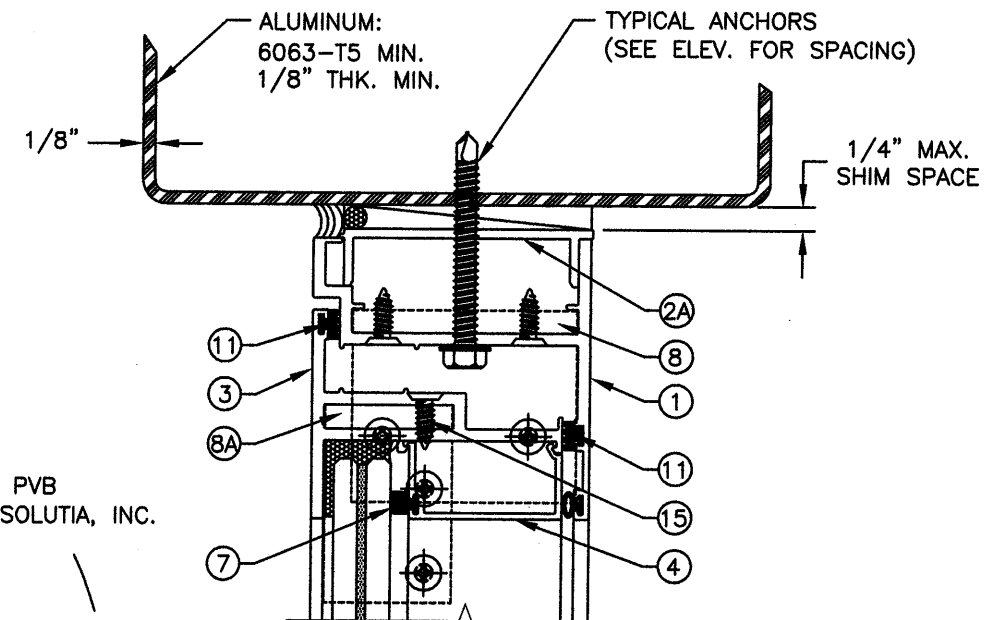
1 HEAD DETAIL  
2 SCALE: 1:2

DIRECT MOUNT

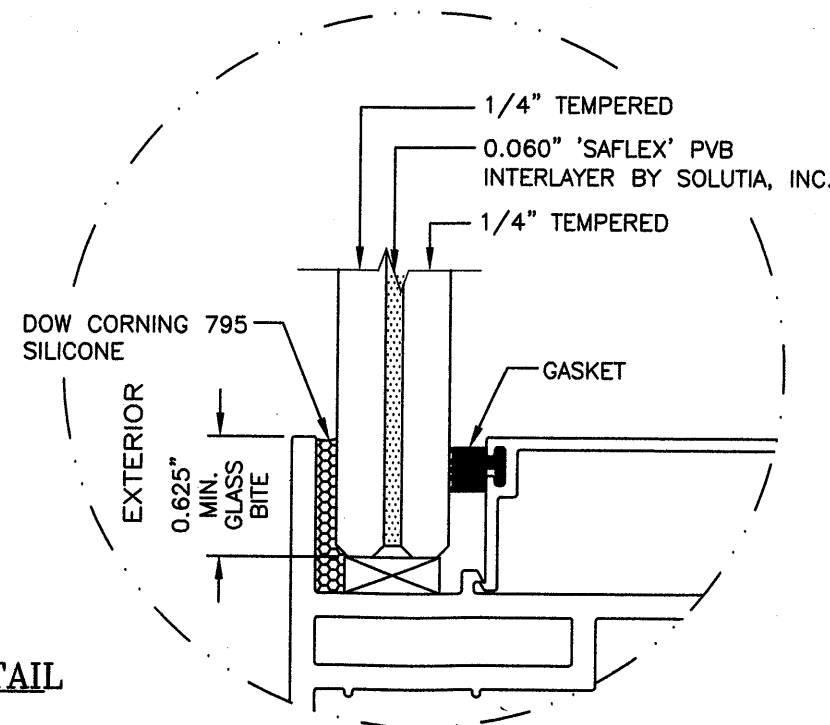
WINDOW HEIGHT	LOCKING POINTS
UP TO 36" HEIGHT	1
36" TO 50-5/8"	2
> 50-5/8"	3



"F" CLIP MOUNT



TYPICAL INSTALLATION  
INTO METAL STRUCTURES



GLAZING DETAIL  
SCALE: 1:1

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0821-19  
Expiration Date April 8, 2014  
By *Manuel Perez*  
Miami Dade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653  
*Kelvin Whitfield*  
01/34/13

GLASSWALL, LLC

3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158

DWG. TITLE: VERTICAL SECTION & DETAILS / GLAZING DETAIL

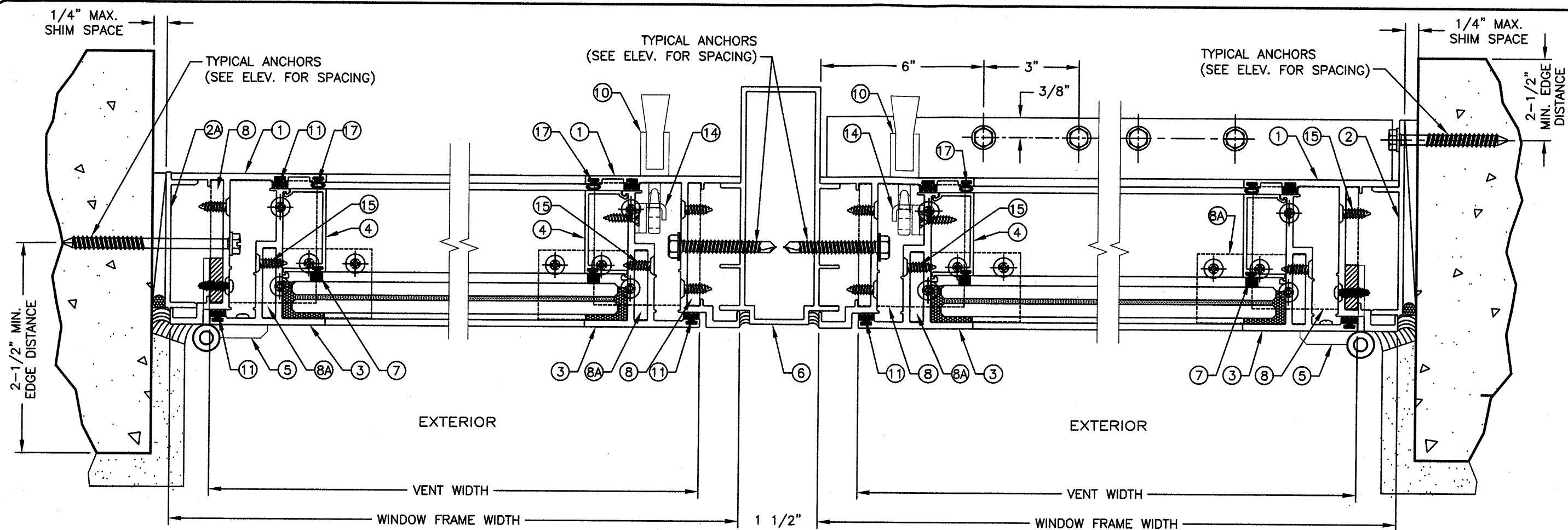
SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

REVISIONS	DATE	BY	DESCRIPTION

DATE: 01/21/2013	SCALE: AS NOTED	DWG. BY: RP	CHK. BY:
------------------	-----------------	-------------	----------

DRAWING No.:  
105S-SM

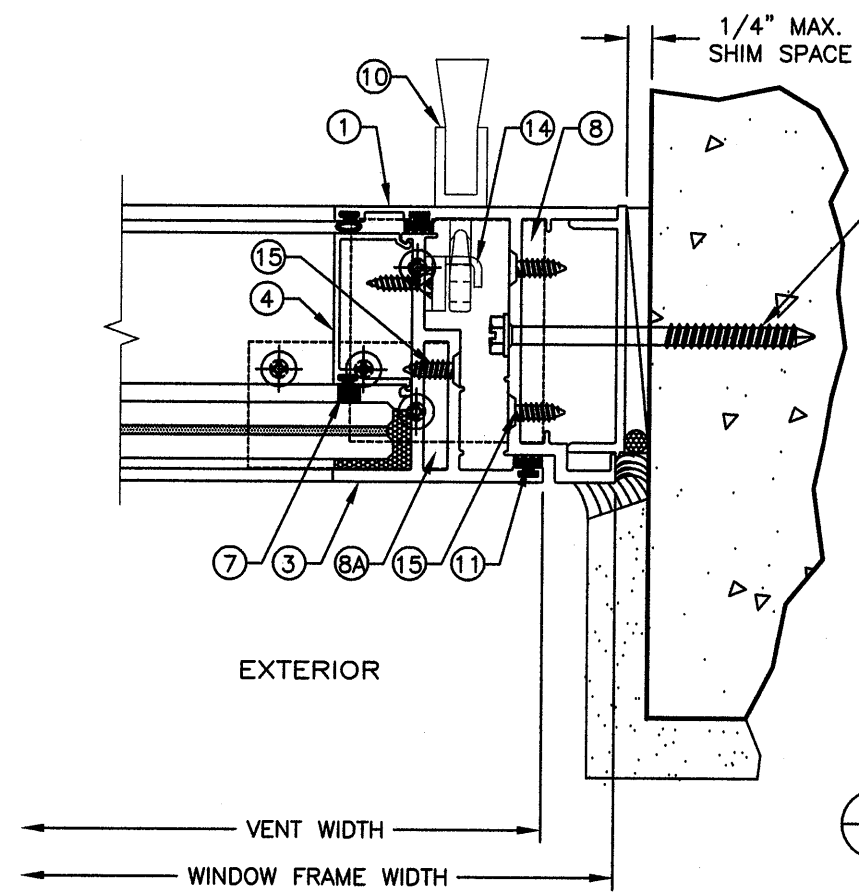
SHEET 2 OF 7



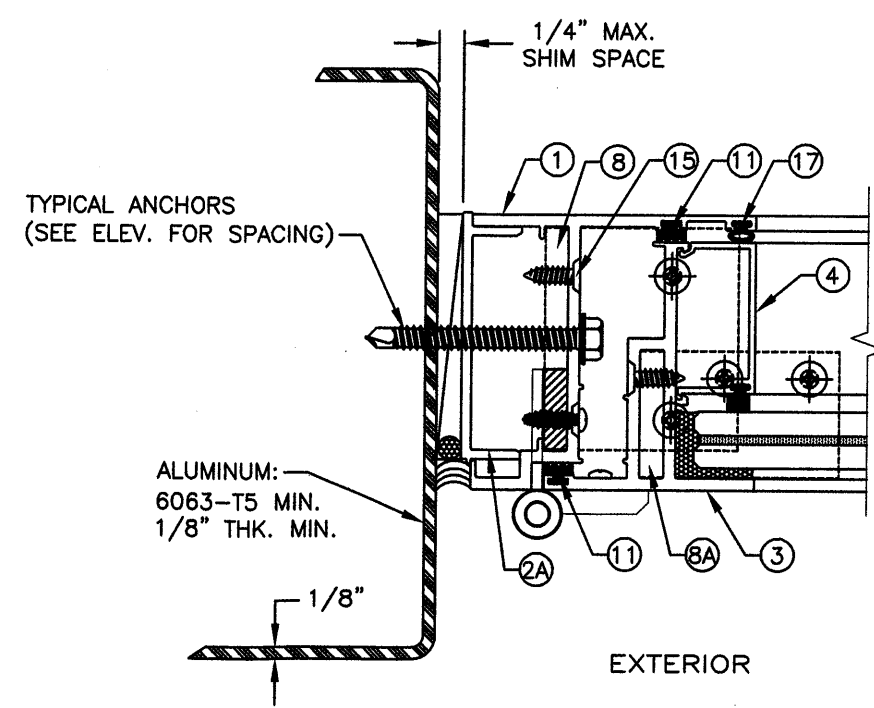
3 JAMB DETAIL  
3 (DIRECT MOUNT)

4 MULLION DETAIL  
3

3 JAMB DETAIL  
3 ("F" CLIP MOUNT)



5 JAMB DETAIL  
3 (LOCK SIDE)



TYPICAL INSTALLATION  
INTO METAL STRUCTURES

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0821.19  
Expiration Date April 8, 2014  
By *Mamuel Perez*  
Miami Dade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653  
*Kelvin Whitfield*  
01/30/13

**GLASSWALL, LLC**  
3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158

DWG. TITLE: HORIZONTAL SECTION & DETAILS

SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

REVISIONS		DESCRIPTION	
NO.	DATE	BY	DESCRIPTION

DATE: 01/21/2013

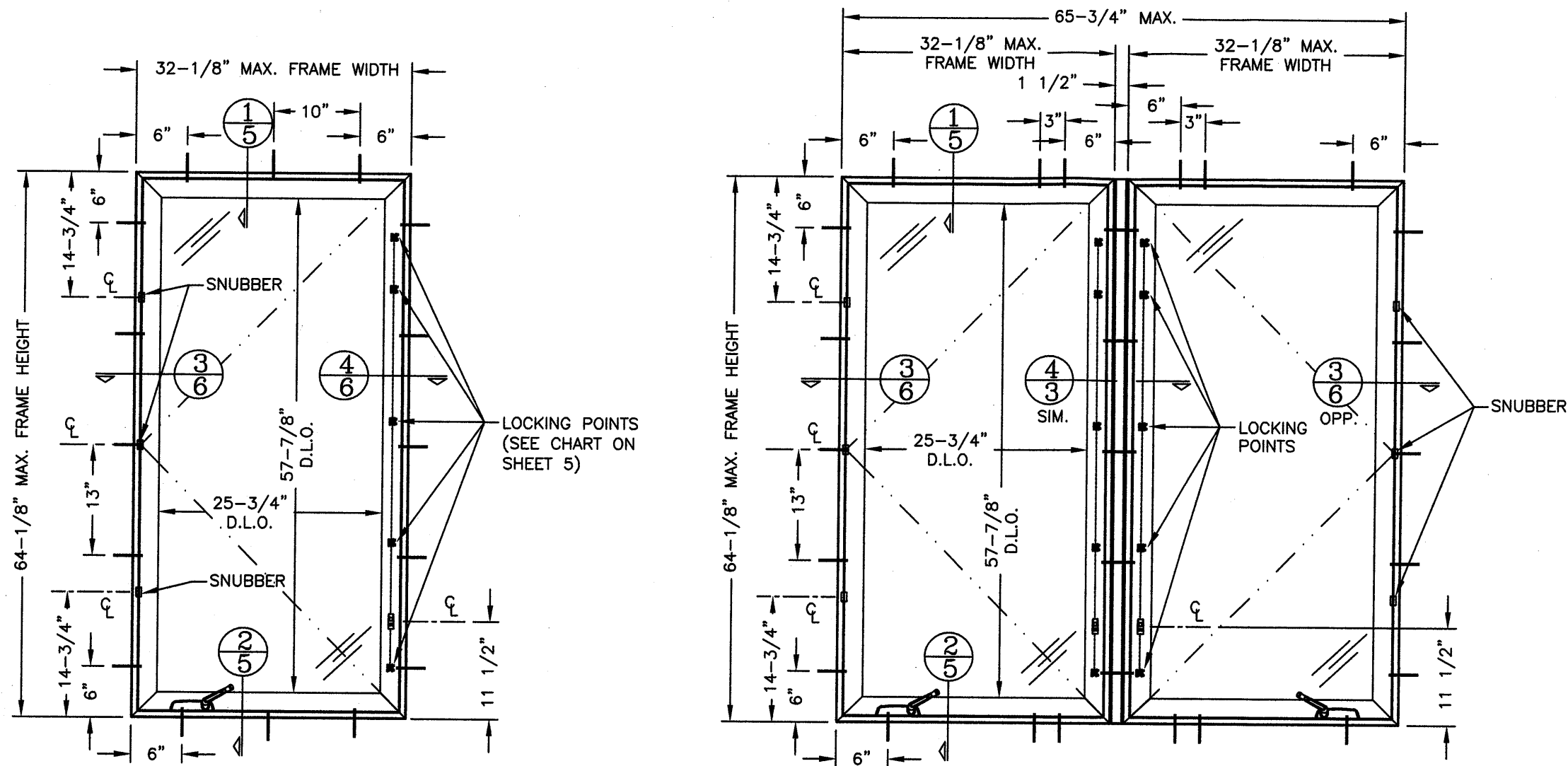
SCALE: 1:2

DWG. BY: RP

CHK. BY:

DRAWING No.:  
**105S-SM**

SHEET 3 OF 7



# **SERIES "105S" OUTSWING ALUM. CASEMENT WINDOW -SMI**

(TYPICAL ELEVATION VIEWED FROM EXTERIOR)

SCALE: 3/4" = 12"

## **HARDWARE PACKAGE**

- STAINLESS STEEL FOUR-BAR HINGE TYPE
- MULTIPOINT LOCK BAR SYSTEM WITH LEVER TYPE ACTIVATING HANDLE
- FACE MOUNT SINGLE ARM OPERATOR

## **GLASS**

9/16" (NOMINAL) HEAT STRENGTHENED LAMINATED WITH DUPONT BUTACITE PVB INTERLAYER

MAXIMUM DESIGN PRESSURE	
EXTERIOR (+)	INTERIOR (-)
100.0 PSF	125.0 PSF

THIS PRODUCT IS RATED SMALL MISSILE IMPACT,  
HURRICANE PROTECTION SYSTEM (SHUTTERS) ARE NOT REQUIRED

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0821.19  
Expiration Date April 8, 2014

By *Maurice Perez*  
Miami Trade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653

*[Signature]*  
01/30/13

SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

REVISIONS	DESCRIPTION
No.	DATE
BY	

DATE: 01/21/2013  
SCALE: AS SHOWN  
DWG. BY: RP  
CHK. BY:

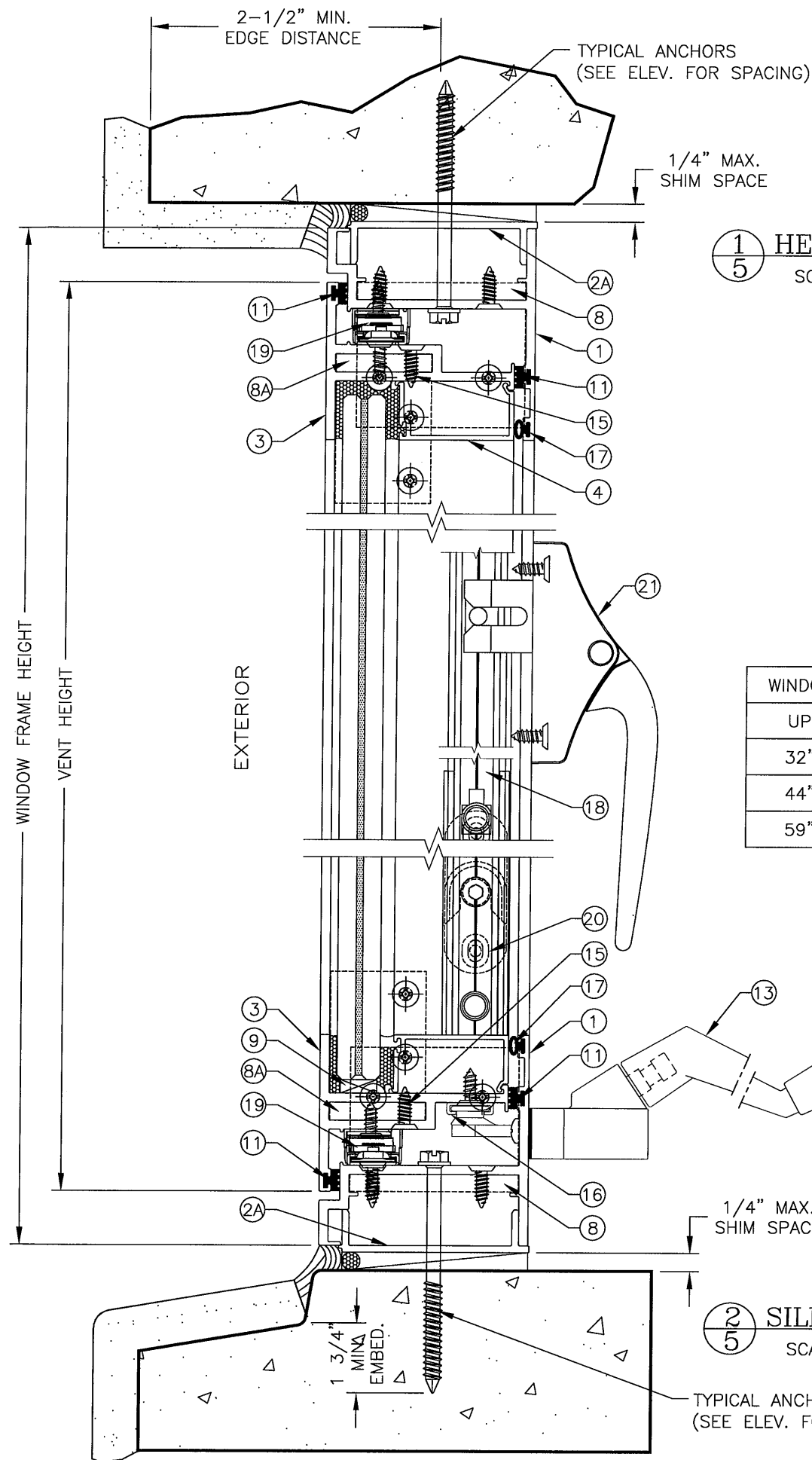
DRAWING No.:  
105S-SM

SHEET 4 OF 7

**GLASSWALL, LLC**

3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158

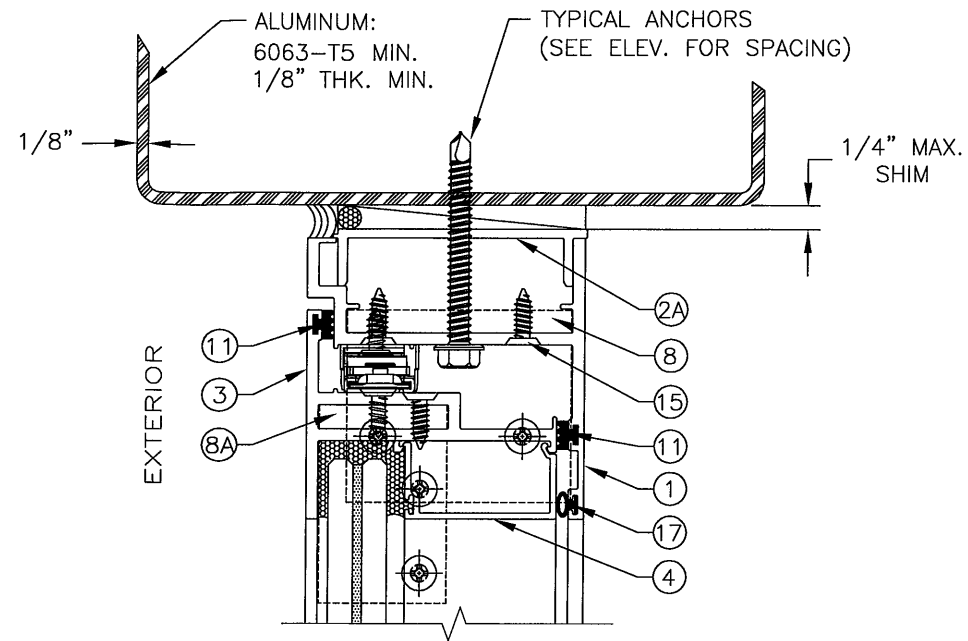
DWG. TITLE: TYP. ELEV. / ANCHOR LAYOUT



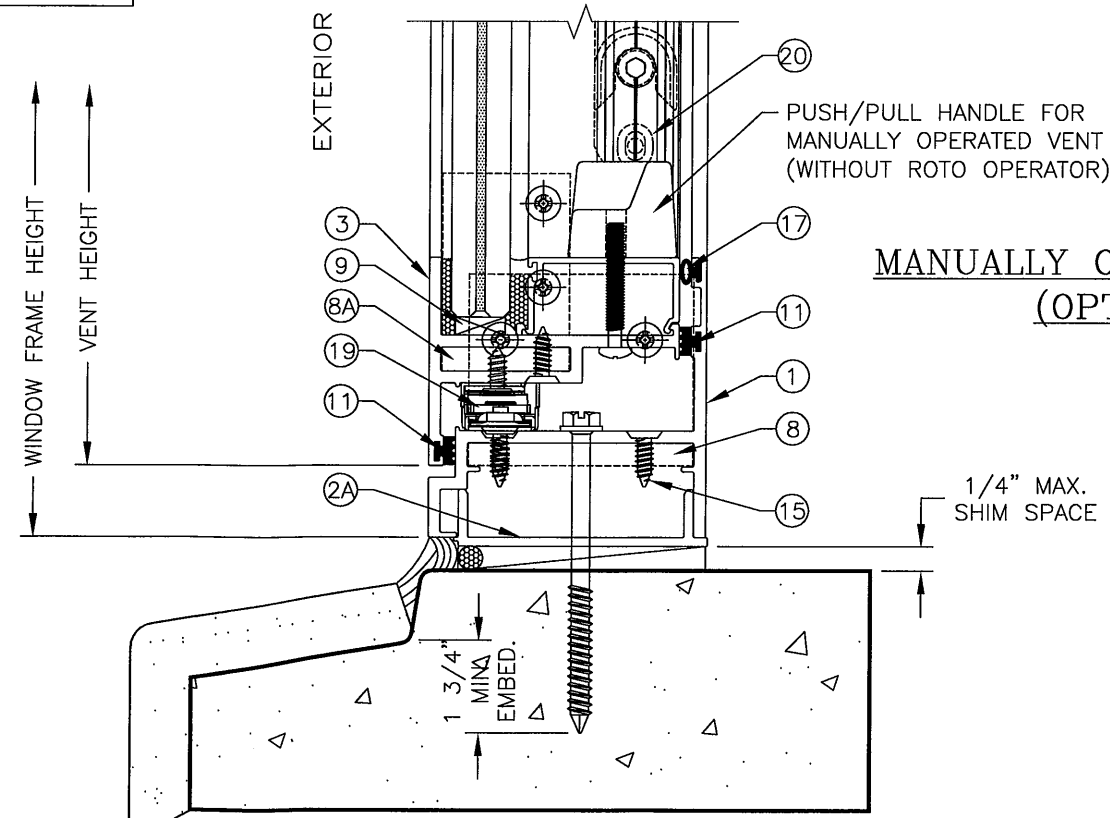
1 HEAD DETAIL  
5 SCALE: 1:2

WINDOW HEIGHT	LOCKING POINTS
UP TO 31"	2
32" TO 43"	3
44" TO 58"	4
59" TO 64"	5

2 SILL DETAIL  
5 SCALE: 1:2



TYPICAL INSTALLATION  
INTO METAL STRUCTURES



MANUALLY OPERATED VENT  
(OPTIONAL)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0821.19  
Expiration Date April 8, 2013  
By *Manuel Cruz*  
Miami Dade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653

*[Signature]*  
01/29/13

GLASSWALL, LLC

3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158

DWG. TITLE: VERTICAL SECTION & DETAILS

SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

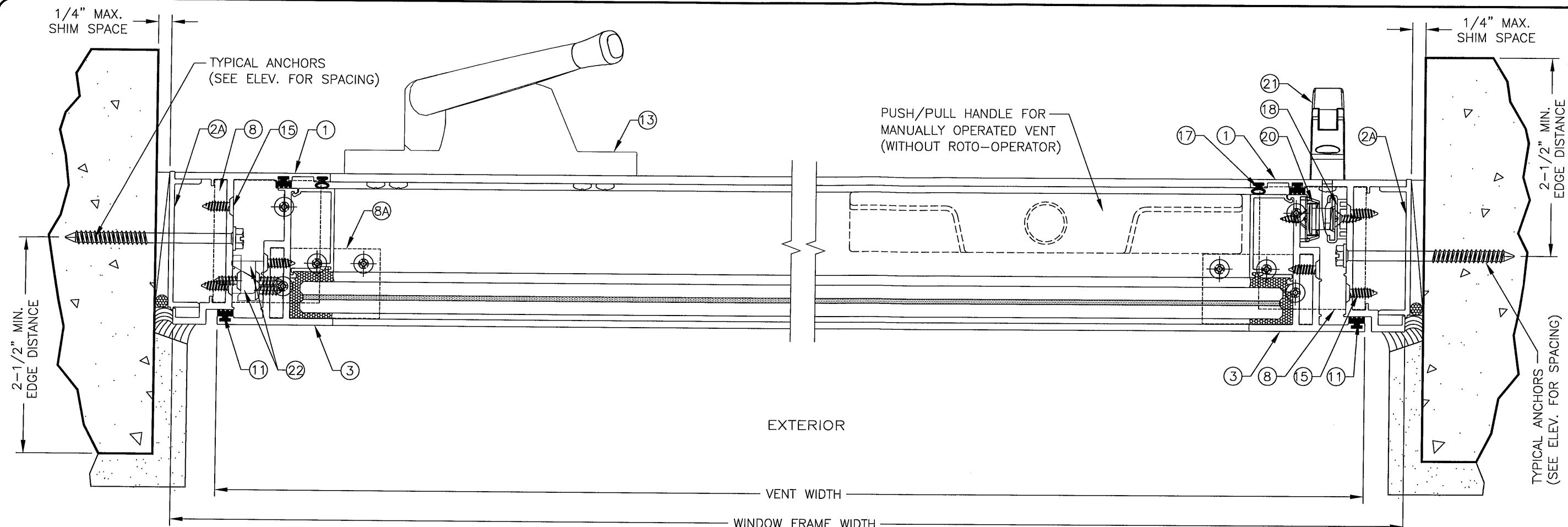
REVISIONS	DATE	BY	DESCRIPTION

DATE: 01/21/2013	SCALE: AS NOTED	DWG. BY: RP	CHK. BY:
------------------	-----------------	-------------	----------

DRAWING No.:  
105S-SM

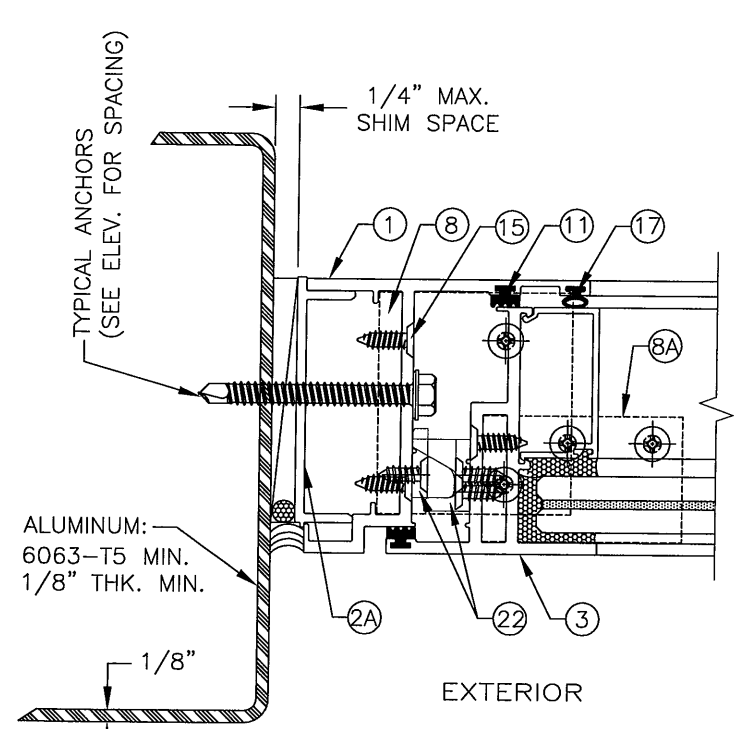
SHEET 5 OF 7



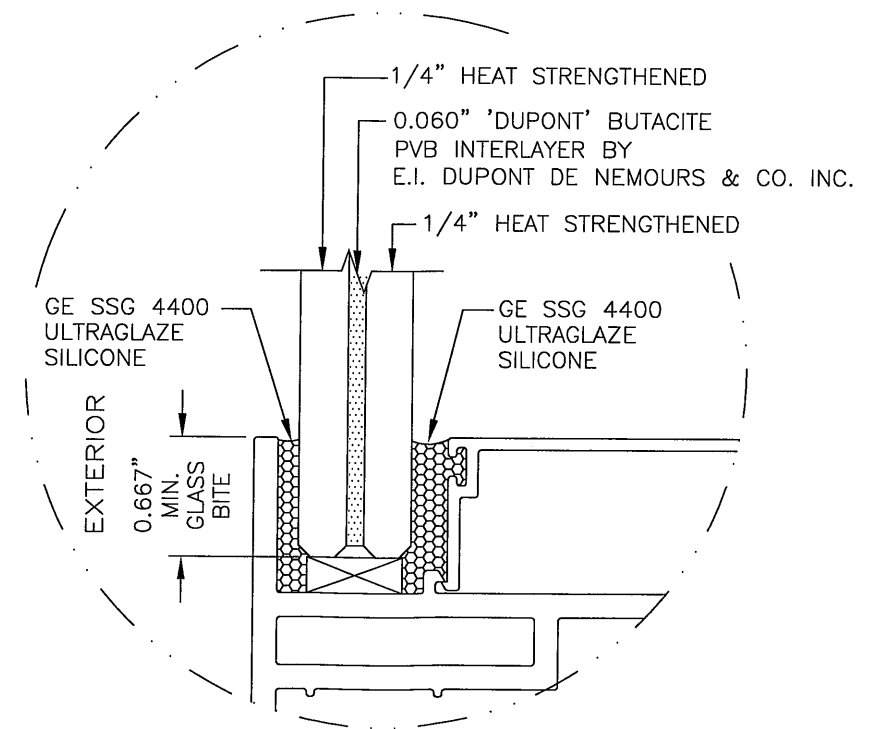


3 JAMB DETAIL  
6 (HINGE SIDE)

4 JAMB DETAIL  
6 (LOCK SIDE)



TYPICAL INSTALLATION  
INTO METAL STRUCTURES



GLAZING DETAIL  
SCALE: 1:1

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-082119  
Expiration Date April 18, 2014  
By *Mamuel Jerez*  
Miami Dade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653

*Kelvin Whitfield*  
01/29/13

**GLASSWALL, LLC**  
3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158

DWG. TITLE: HORIZ. SECTION & DETAILS / GLAZING DETAIL

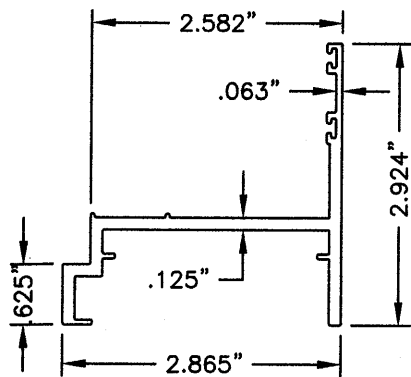
SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

REVISIONS		DESCRIPTION	
No.	DATE	BY	DESCRIPTION

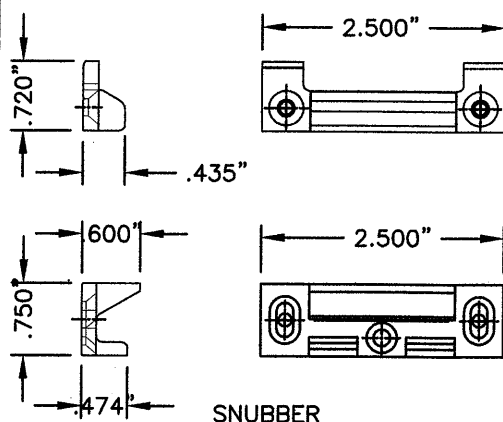
DATE: 01/21/2013  
SCALE: 1:2  
DWG. BY: RP  
CHK. BY:

DRAWING No.:  
105S-SM

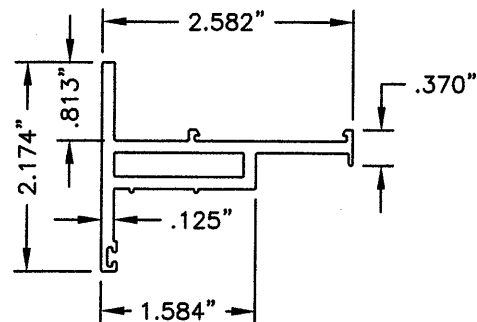
SHEET 6 OF 7



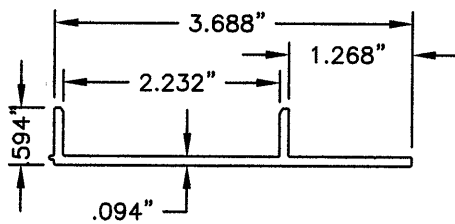
WINDOW FRAME  
(105-002)



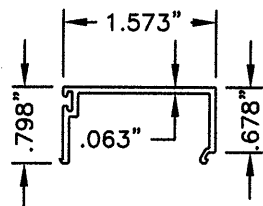
SNUBBER



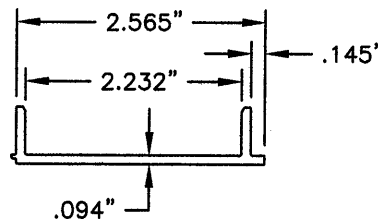
VENT FRAME  
(105-001)



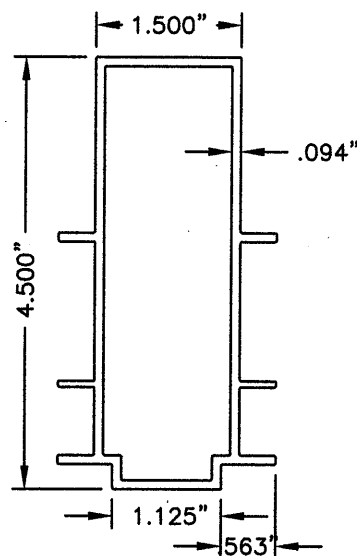
ANCHOR "F" CLIP  
(102-009)



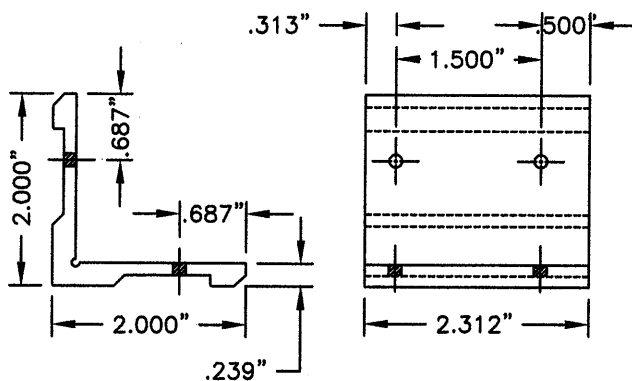
GLAZING STOP  
(105-003)



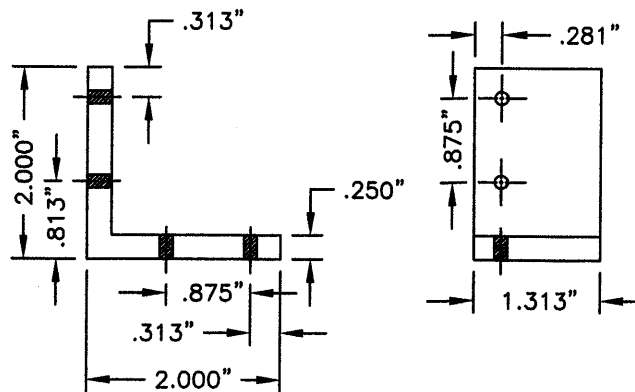
ANCHOR CLIP (EQUAL LEG)  
(102-011)



MULLION  
(105-010)



FRAME CORNER LOCK  
(105-004)



VENT CORNER LOCK

# BILL OF MATERIALS

ITEM	PART No.	QUANTITY	DESCRIPTION	MATERIAL	REMARKS/MANUFACTURER
1	105-002	AS REQ'D	WINDOW FRAME	ALUM. 6063-T6	-
2	102-009	AS REQ'D.	"F" ANCHOR CLIP	ALUM. 6063-T6	-
2A	102-011	AS REQ'D.	ANCHOR CLIP (FOR DIRECT MOUNT)	ALUM. 6063-T6	-
3	105-001	AS REQ'D	VENT FRAME	ALUM. 6063-T6	-
4	105-003	AS REQ'D.	GLAZING STOP	ALUM. 6063-T6	-
5	AH-GW	3/VENT	BUTT HINGE ASSY., FASTENED W/(5) #10 SMS.	ALUM. 6063-T6	WINDOW HARDWARE
6	102-010	-	MULLION	ALUM. 6063-T6	-
7	679-FP-688B	AS REQ'D.	GASKET	EPDM	DUROMETER 70±5%, SHORE A
8	105-004	1/CORNER	FRAME CORNER LOCK ANGLE	ALUM. 6063-T6	-
8A	-	1/CORNER	VENT CORNER LOCK ANGLE	ALUM. 6063-T6	-
9	-	AS REQ'D	SETTING BLOCK (3/16 x 3/4 x 4" LG.)	-	-
10	24.13	1/VENT	SURFACE MOUNT LOCKING MECHANISM W/CONNECTING BAR	METALLIC	-
11	679-FP-786B	AS REQ'D.	GASKET	EPDM	DUROMETER 70±5%, SHORE A
12	-	AS REQ'D	LOCKING SYSTEM CONNECTING BAR	METALLIC	-
13	23.10	1/VENT	ROTO OPERATOR, FASTENED W/(4) #10x1/2" PH.SMS.	CAST	TRUTH
14	31376	AS REQ'D	SURFACE MOUNT KEEPER, FASTENED W/(2) #10 SS.SMS.	STAINLESS STEEL	TRUTH
15	-	8/CORNER	#10x1/2" PH.SMS.	STAINLESS STEEL	-
16	30175	1/VENT	OPERATOR'S ARM TRACK	STAINLESS STEEL	TRUTH
17	679-FP-448VB	AS REQ'D	BULB VINYL WEATHERSTRIP	VINYL	-
18	105-GW-HW	1	SURFACE MOUNT MULTI POINT LOCK SYSTEM W/ACTIVATING LEVEL TYPE HANDLE, AT 11-1/2" FROM BOTTOM.	METALLIC	W/(2)#10x1/2" FH.UC.SMS. AT EA. LOCKING POINT
19	105 GW-HW-016	2/VENT	FOUR-BAR HINGE, ONE EACH AT HEAD AND SILL	STAINLESS STEEL	-
20	105 GW-HW-010	AS REQ'D	SURFACE MOUNT KEEPERS, W/(3) #10x5/8" F.H.SMS.	METALLIC	-
21	105 GW-HW-007	1	LOCKING HANDLE, FASTENED W/(2) 10-24x3/4" FH.UC.MS	METALLIC	-
22	105 GW-HW-009	3	SNUBBER ANGLES, AT HINGE SIDE FRAME JAMB AND VENT SIDE RAIL, AT 14-3/4" FROM ENDS AND AT MIDSPAN	METALLIC	W/(2)#10x5/8"FH.UC.SMS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0821.19  
Expiration Date April 8, 2014  
By *Manuel Perez*  
Miami Dade Product Control

KELVYN WHITFIELD, P.E.  
FLORIDA No. 24140  
1002 N.E. 116 STREET  
MIAMI, FL 33161-6744  
(305) 895-1653

*[Signature]*  
01/30/13

**GLASSWALL, LLC**  
3550 N.W. 49TH STREET, MIAMI, FL 33142  
PH: (305) 638-5151 FAX: (305) 638-5158  
DWG. TITLE: PARTS LIST / BOM

SERIES "105S" OUTSWING  
ALUM. CASEMENT WINDOW (SMI)

REVISIONS	DESCRIPTION

DATE: 01/21/2013	SCALE: 1:2	DWG. BY: RP	CHK. BY:
------------------	------------	-------------	----------

DRAWING No.:  
105S-SM  
SHEET 7 OF 7